



Thin Air Bulletin

November 2017

November Meeting Announcement

Join us for Membership Promotions meeting. Our speaker will be local meteorologist Steve Stucker.

Date: Tuesday, November 14, 2017

Time: 11:30am - 1:00pm

Location: [Pappadeaux Kitchen](#)

Cost: \$25 (members), \$30 (guests)

[Click here for more info or to register online.](#)

Message from the President

Dear New Mexico ASHRAE members:

November marks the start of the holiday season. And with the holidays comes the opportunity to give thanks for what we have.

One thing that is of particular importance in the HVAC&R industry is ASHRAE research. ASHRAE conducts timely research to remain the foremost, authoritative and responsive international source of technical and educational information, standards and guides on the interaction between people and the indoor and outdoor environment through the operation of HVAC&R systems in buildings and other applications.

There are 3 new research projects in the RFP phase currently. They are:

- [1683-TRP, Experimental Evaluation of Two-Phase Pressure Drop and Flow Pattern in U-Bends with Ammonia](#): Responsible Committee: TC1.3, Liquid to Refrigerant Heat Exchangers; Co-sponsored by: TC 8.4, Air to Refrigerant Heat Transfer Equipment
- [1733-TRP, Develop Design Criteria for Psychrometric Air Sampler and Mixer Apparatus for Use in ASHRAE Test Standards](#); Responsible Committee: TC 8.11 Unitary and Room Air Conditioners and Heat Pumps

- [1759-TRP-R, Impact of Air-Flow on Thermal Performance of Air-Spaces behind Cladding \(Phase 1 of 2\)](#): Responsible Committee: TC 4.4, Building Materials and Building Envelope Performance

The funding for these projects comes in large part from member donations to ASHRAE research. Perhaps in this season of Thanksgiving, we can all contribute just a little to ASHRAE research as a means of gratitude for what it means to our Society and profession as a whole.

I would like to take this time to thank all of you for making this ASHRAE chapter year a success and for your continued support. Please feel free to contact me at jhine@siglers.com with any questions, ideas, suggestions and input you might have regarding anything and everything ASHRAE.

Sincerely,

Jerry Hine, P.E.

New Mexico Chapter President

2017-2018

Upcoming Events

Nov 10 Energy Center Technical Tour and Networking
YEA/Membership Event
4:30pm - 6:30pm
Presbyterian Energy Center and Rio Bravo Brewery

Nov 14 Chapter Meeting
Meteorology and Climate of New Mexico
11:30am – 1:00pm
Pappadeux Kitchen

Dec 19 Chapter Meeting (Joint with NMAEE)

Zero Energy Building Design

11:30am – 1:00pm

Pappadeux Kitchen

In Other News...

Membership

Please keep in mind that November is a "Membership Meeting", please take the opportunity to invite someone that you feel would benefit from ASHRAE meetings. We have an interesting guest speaker in Steve Stucker, and would love to see some new faces at the meeting.

YEA

The YEA committee would like to announce a Membership / YEA technical tour and networking event for November 10th. Please join us at the Presbyterian Energy Center for a technical tour of the facility followed by a Networking event at Rio Bravo Brewery located at 1912 2nd Street. The tour will start at 4:30pm and we should be headed to Rio Bravo at 5:30pm. If you can, please RSVP with Ryan Shaffer by e-mail at ryan.shaffer@jci.com. Please invite some of your non-ASHRAE colleagues so we can show them what ASHRAE is doing in New Mexico! We will meet by the north facing door for the building, click below for a map and parking instructions:



Grassroots Government Advocacy

Hello New Mexico chapter, I hope everybody is having a fantastic month. Amazon is planning to establish its second headquarters; New Mexico seems to be one of the cities that could potentially land this, which could bring great opportunities to our industry. Find article here:

<https://www.bizjournals.com/albuquerque/news/2017/10/24/with-amazons-hq2-in-mind-see-some-of-the-biggest-u.html>

Sandia National laboratories has a \$10 million dollar project that will be taking place within the next year, keeping our industry busy.

<https://www.bizjournals.com/albuquerque/news/2017/10/06/sandia-national-labs-awards-10-million.html>

Sincerely,
Alex Quintero
New Mexico Chapter GGAC
2017-2018

History: November 2002

Chapter Officers were:

- President: Jim Asperger
- President-Elect: Mike Dunavant
- Secretary: David Graham
- Treasurer: Jason Moorhead

The speaker at the meeting was Steve Willard, PE, EMBA, PNM Gas Services - topic: GAS PRICES and HVAC DESIGN. The price of natural gas influences many decisions in the design of HVAC systems and can have substantial impact on the owner's operational costs. There were two meetings this month Albuquerque @ the Petroleum Club and Los Alamos at Tommy's Restaurant.

Local Job Listings

Job Title: Plumbing Engineer

Company Name: Bridgers & Paxton Consulting Engineers, Inc.

Website Link: www.bpce.com

Contact Information: Employee Services

Seeking qualified Plumbing Engineers/Designers for its Albuquerque Office 3-20 years experience in plumbing piping design or engineering for commercial, industrial, medical, and laboratory facilities, proficient with ACAD MEP and/or Revit, and a team player. Submit cover letter and resume on www.bpce.com B&P offers competitive salaries and benefits as well as 4 ½ day work weeks in a progressive, cooperative, and friendly atmosphere.

Job Title: Mechanical Engineer

Company Name: Bridgers & Paxton Consulting Engineers, Inc.

Website Link www.bpce.com

Contact Information: Employee Services

Seeking a Mechanical Engineer with 8 plus years of experience in the design of building mechanical systems. Successful candidate must be capable of obtaining and maintaining a security clearance. Design experience with office and laboratory systems desired. Work may include new facility design, major renovation, and operations and maintenance type equipment replacement. Energy modeling, LEED, and REVIT/Microstation experience a plus. Submit cover letter and resume on www.bpce.com B&P offers competitive salaries and benefits as well as 4 ½ day work weeks in a progressive, cooperative, and friendly atmosphere.

For info on how to submit a job listing, refer to newmexicoashrae.org/jobs

Learning Opportunities

**ASHRAE Learning Institute
2017 Online Course Series**

2 WAYS TO REGISTER
Internet: www.ashrae.org/onlinecourses
Phone: Call 1-800-527-4723 (US and Canada) or 404-636-8400 (worldwide)

One-part course (3 hours) **\$284 (\$219 ASHRAE Member)** -- -- Two-part course (6 hours) **\$484 (\$359 ASHRAE Member)**

NEW! Fundamental Requirements of Standard 62.1-2016
Wednesday, September 6, 2017 – 1:00 p.m. to 4:00 p.m.

Designing High-Performance Healthcare HVAC Systems
Tuesday, September 19, 2017 – 1:00 p.m. to 4:00 p.m.

Laboratory Design: The Basics and Beyond
Tuesday, October 10, 2017 – 1:00 p.m. to 4:00 p.m.

Introduction to Ultraviolet Germicidal Irradiation (UVGI) Systems
Monday, October 16, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Complying with Standard 90.1-2016
Part I: Wednesday, November 1, 2017 – 1:00 p.m. to 4:00 p.m.
Part II: Tuesday, November 7, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! Variable Refrigerant Flow System: Design & Application
Wednesday, November 29, 2017 – 1:00 p.m. to 4:00 p.m.

NEW! New ASHRAE-Classified Refrigerants to Meet Society's Changing Needs
Tuesday, December 5, 2017 – 1:00 p.m. to 4:00 p.m.

ASHRAE HVAC Design & Operation Training
2 Courses, 5 Days of Intense Instruction
Atlanta • Columbus • Denver • Dubai

HVAC Design: Level I – Essentials - Registration is \$1,264 (\$1,009 ASHRAE Member)

Gain practical skills and knowledge in designing and maintaining HVAC systems that can be put to immediate use. The training provides real-world examples of HVAC systems, including calculations of heating and cooling loads, ventilation and diffuser selection using the newly renovated ASHRAE Headquarters building as a living lab.

HVAC Design: Level II – Applications - Registration is \$854 (\$699 ASHRAE Member)

HVAC Design: Level II — Applications provides instruction on HVAC system design for experienced HVAC designers and those who complete the HVAC Design: Level I – Essentials training. The training provides information that allows practicing engineers and designers an opportunity to expand their exposure to HVAC systems design procedures for a better understanding of system options to save energy.

Visit www.ashrae.org/hvactraining to register and learn how your Chapter can earn PAOE points.

Contact Karen Murray (kmurray@ashrae.org) to discuss scheduling ASHRAE HVAC Training in your Chapter area.

Society News and Opportunities

[ASHRAE Publishes 2017 Version of Standard 55
HVAC Design and Operations Training
2017 Online Course Series](#)

More news at ashrae.org/news

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